

MRP Calculation

- Introduction
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Introduction

Material requirements planning (MRP) is a system for calculating the materials and components needed to manufacture a product. It consists of three primary steps: taking inventory of the materials and components on hand, identifying which additional ones are needed and then scheduling their production or purchase.

Business process

MRP, which is done primarily through specialized software, helps ensure that the right inventory is available for the production process exactly when it is needed and at the lowest possible cost. As such, MRP improves the efficiency, flexibility and profitability of manufacturing operations. It can make factory workers more productive, improve product quality and minimize material and labor costs. MRP also helps manufacturers respond more quickly to increased demand for their products and avoid production delays and inventory stockouts that can result in lost customers, which in turn contributes to revenue growth and stability.

MRP calculation

Home (34) MRP Calculation X

Product

Attribute Set Instance

Planner

Warehouse

Resource

Date from

Date to

Is MPS

UOM

On Hand Quantity

Safety Stock Qty

Quantity

Available

Ordered Quantity

Order Policy

Order Period

Minimum Order Qty

Maximum Order Qty

Order Pack Qty

Order Qty

Time Fence

Promised Delivery Time

Yield %

Create Plan

Required Calculate MRP

ReQuery Zoom Print OK Cancel

Product: User can mention the product name.

Planner : User can mention the planner

warehouse : user can mention the warehouse name here.

Resource: User can mention the resource here.

Date from: user can mention the date here.

Date to: User can mention the date here.

while user click on the "ok" system will calculate the MRP.